

Headquarters U.S. Air Force

Integrity - Service - Excellence

Explosive Ordnance Disposal

**Lt Col Chris McLane
HQ AFCESA/CEXD**



U.S. AIR FORCE



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Overview

- **Mission Definition**
- **AF EOD Mission Areas**
- **Manning**
- **VIP Support**
- **Operations**
- **Current Programs**

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Mission

■ **Explosive Ordnance Disposal**

“Performs, supervises, and manages explosive ordnance disposal (EOD) operations. Locates, identifies, disarms, neutralizes, recovers, and disposes of hazardous explosives; conventional, chemical, biological, incendiary, and nuclear ordnance; and criminal or terrorist devices.”
AFMAN 36-2108

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AF EOD Mission Areas

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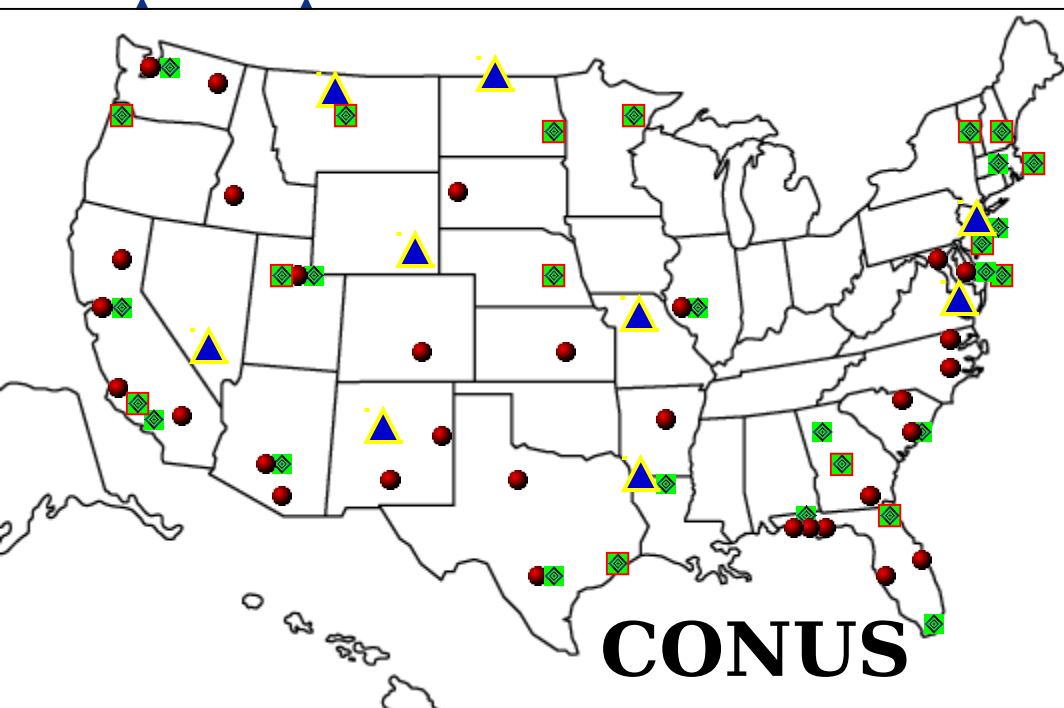
Primary:

- **Aerospace Vehicle (Launch & Recovery Operations)**
- **Force Protection**
- **Weapons of Mass Destruction (WMD)**
- **Nuclear Accident/Incident Response**
- **Unexploded Ordnance (UXO) Recovery Ops**
- **Active Range Clearance (ARC)**
- **Mortuary Services**
- **Federal & Civilian Authority Support**
- **Base Populace Training**

Other:

- **Joint POW/MIA Accounting Command (JPAC) Missions**
- **Intelligence Gathering/Post Blast**
- **Black Projects**
- **Research & Development**

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Active Duty

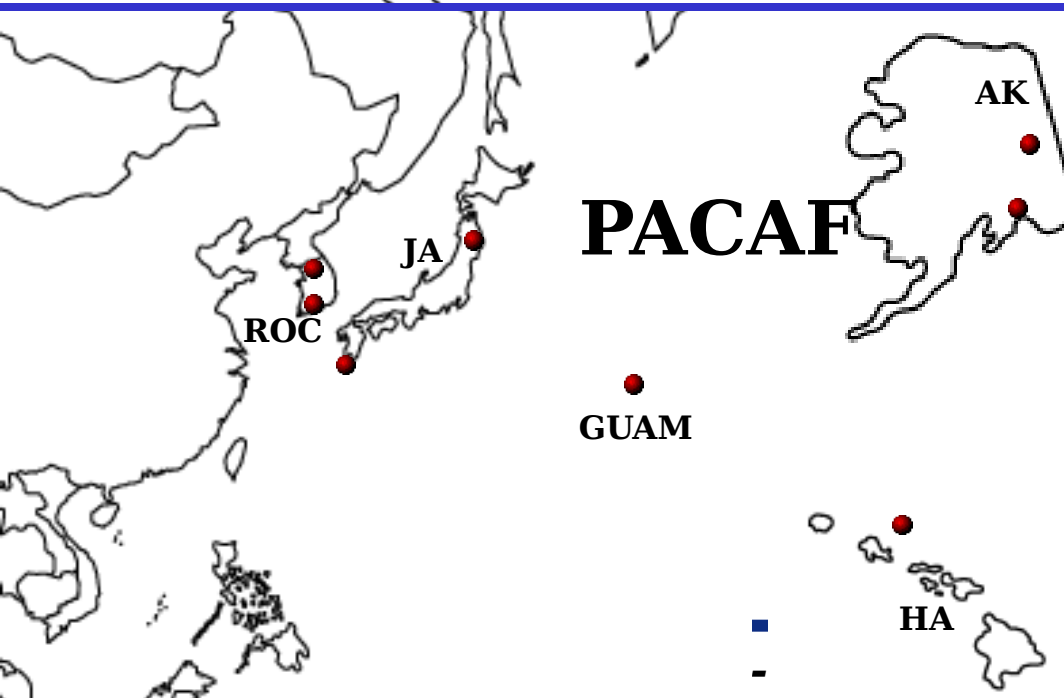
▲ 14 Direct Support

● 39 Indirect Support

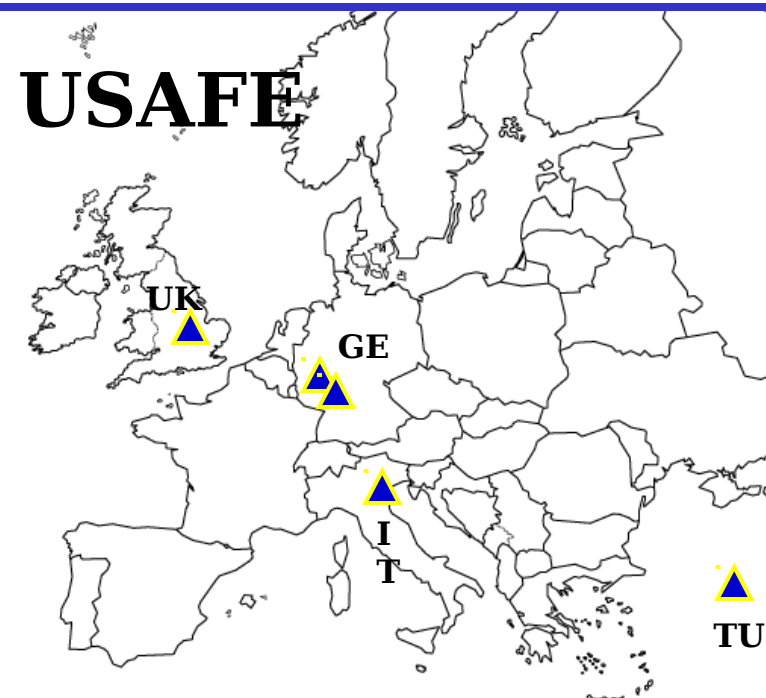
ARC

■ 15 AFRC

■ 15 ANG



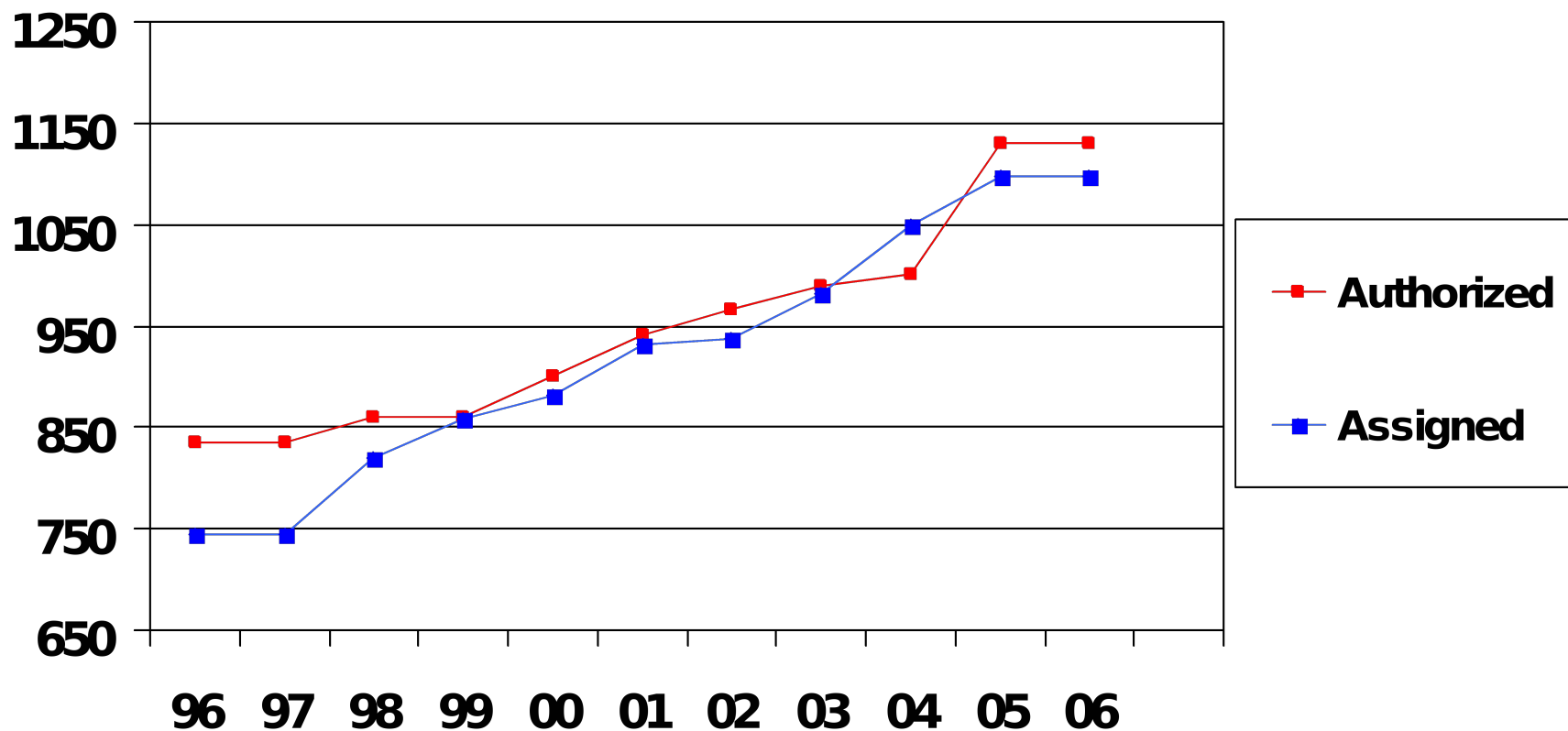
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Manpower - Current Manning



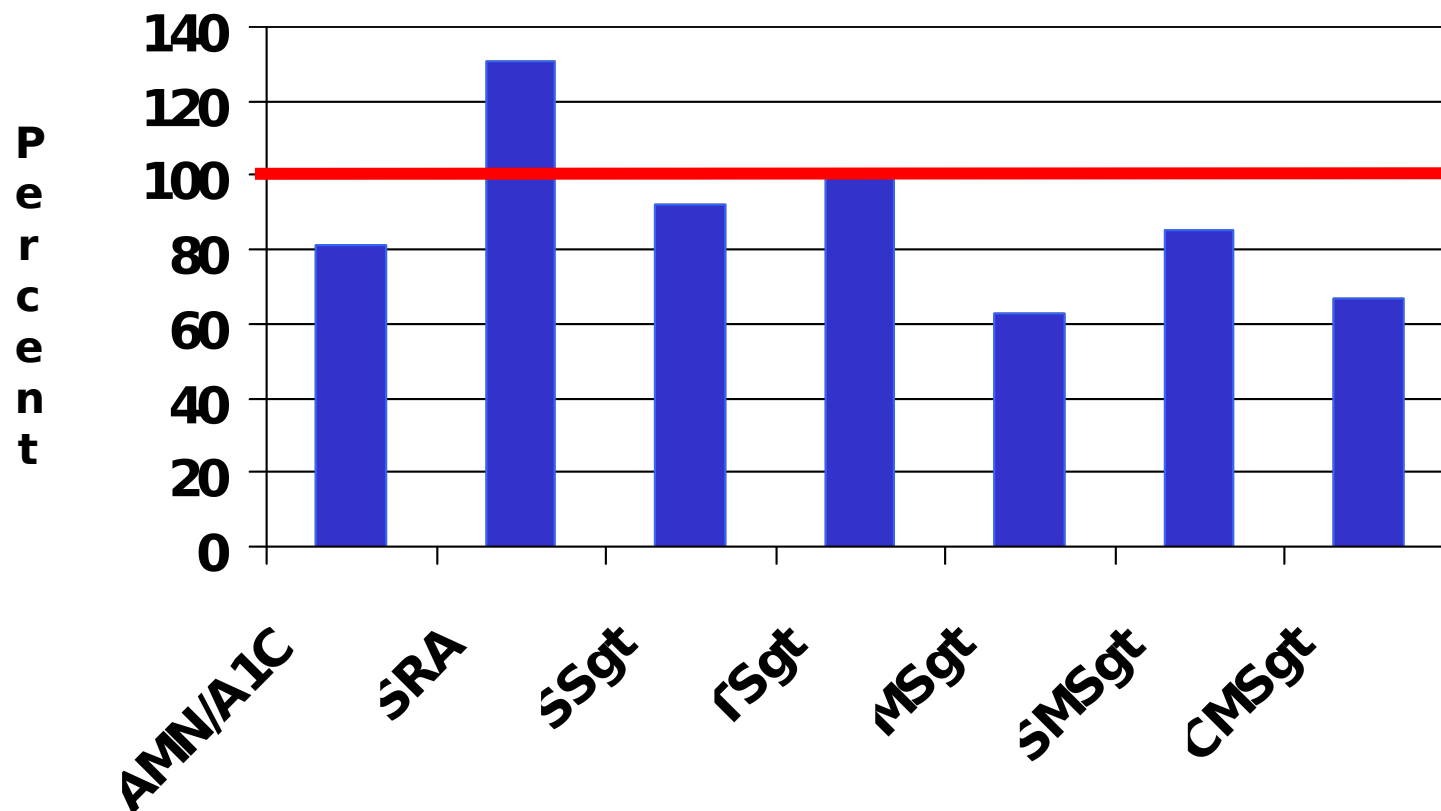
Active Duty Enlisted Assigned vs. Authorized - FY

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Manpower - Current Manning

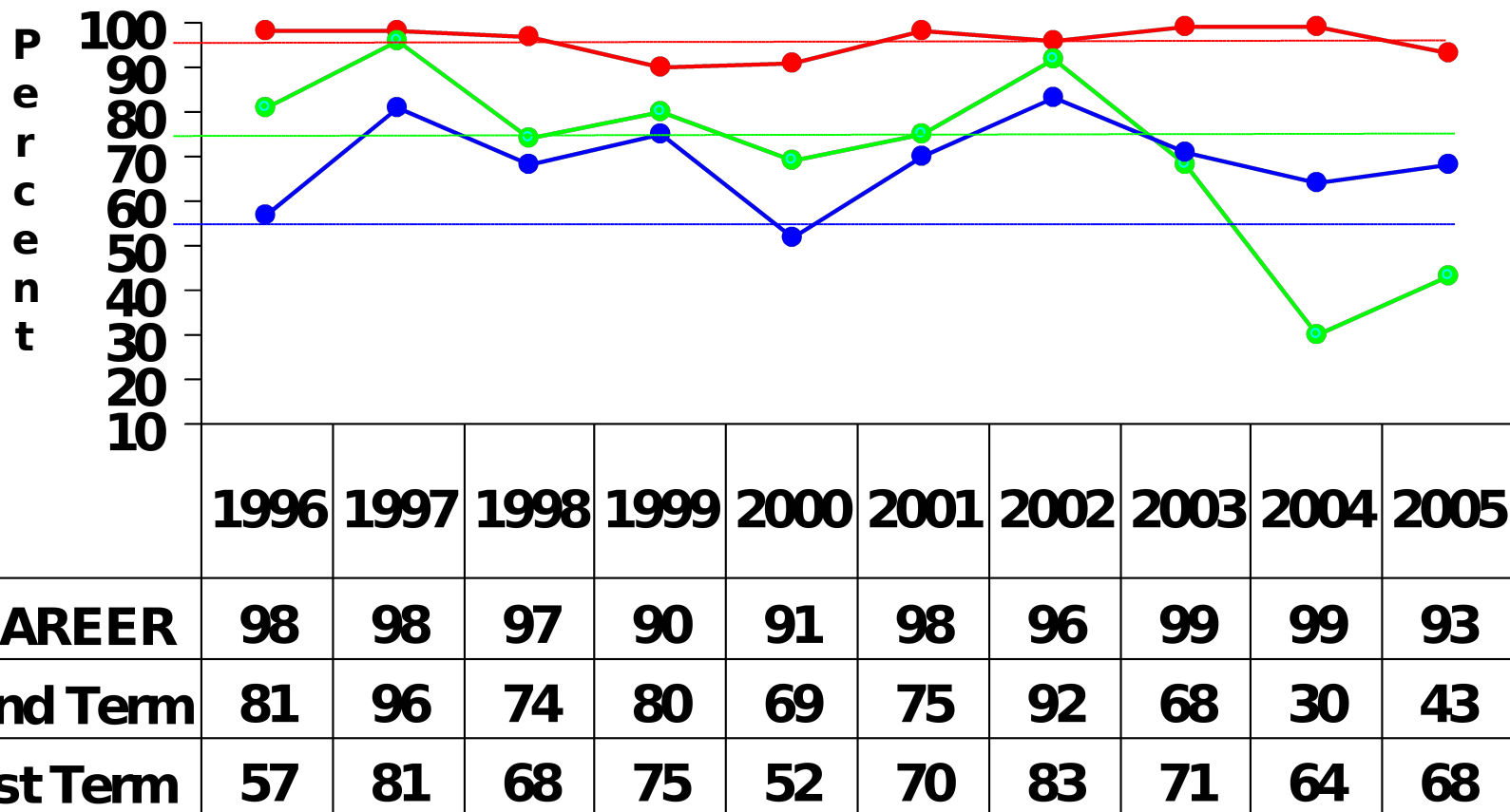


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Manpower Retention Rates



AS OF 30 Sep 05

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Manpower - Maintenance

Force Structure “Maintenance”

- Selective Reenlistment Bonus
 - Zone A = 2.5, B = 3 , C = .5
 - Currently under review
- Enlistment Bonus
 - 4 yr = \$4K, 6 yr = \$10K
- No re-trainees over E-5
 - Technical career field requires “*Experienced EOD SNCOs*”: ARC is an exception
- SNCO Initiatives
 - Critical Skills Retention Bonus (CSRB) for SNCO
 - Targeted Promotions

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JOINT-SERVICES EOD VIP SUPPORT

**Authority: DOD Directive 3025.13,
DOD Instruction 5030.34,
OPLAN for VIP Support**

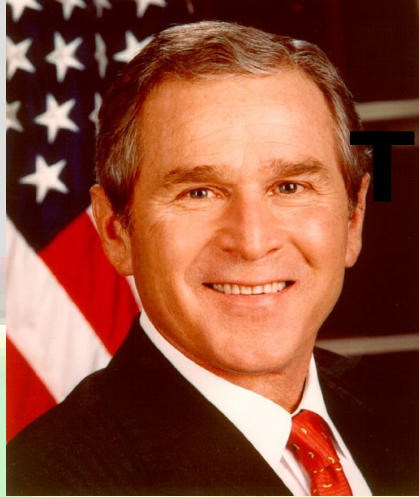
**Requested by U.S. Secret Service and
Department of State**

**USJFCOM designated as Operating Agent
Management delegated to FORSCOM**

VIP Protective Support Activity (VIPPSA)

VIPPSA Tasks and Coordinates VIP Support

NON- REIMBURSABLE



**The President
(POTUS)**



**The Vice-
President
(VPOTUS)**

REIMBURSABLE

Secretary of State

First Lady (FLOTUS)

Secretary of Treasury

Visiting Foreign Heads of State

**Major Presidential Candidates
(election years)**

**Other Dignitaries directed by
USSS and DOS**

OTHER SUPPORT

White House, Washington, D.C. (OEOB)

Major Events

(UN, Olympics, DNC, RNC, UNGA, etc...)

■ UN General Assembly - 115 teams (New York, NY) Sep 05

Camp David, Maryland

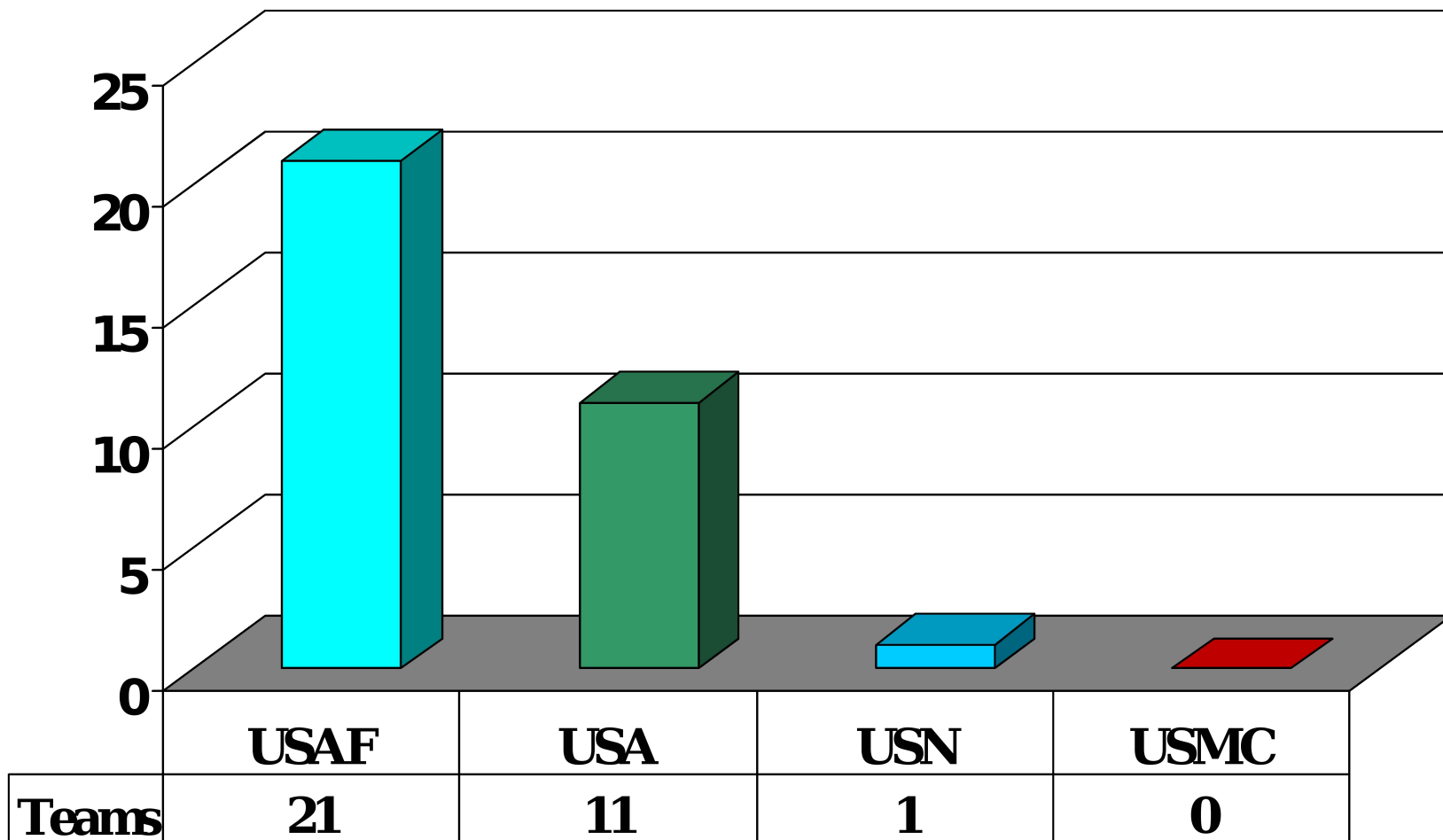
President's Ranch, Crawford, Texas

s Private Residence, Jackson Hole, Wyoming



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FY05 White House Complex Support

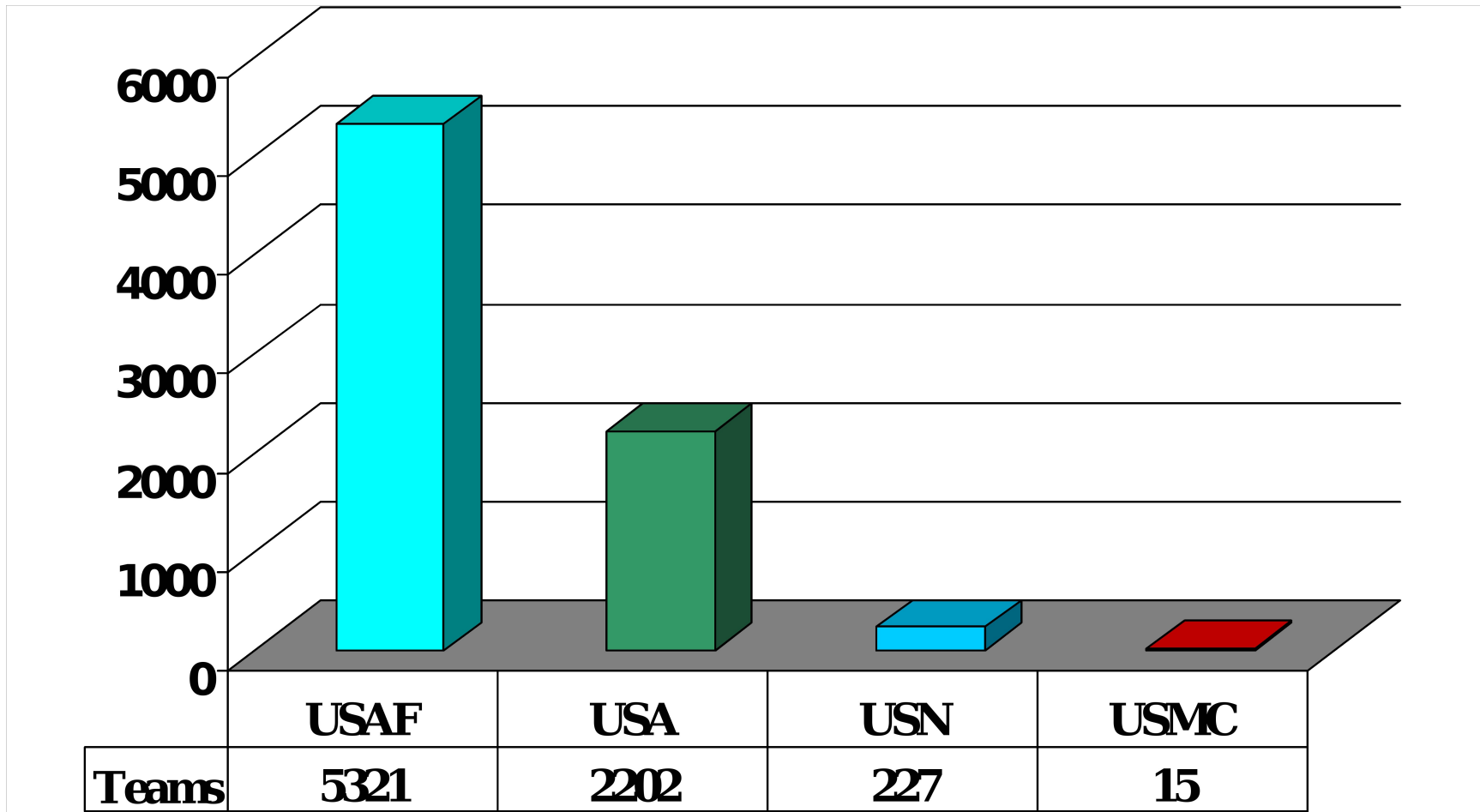


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FY05 VIPPSA DOD Support

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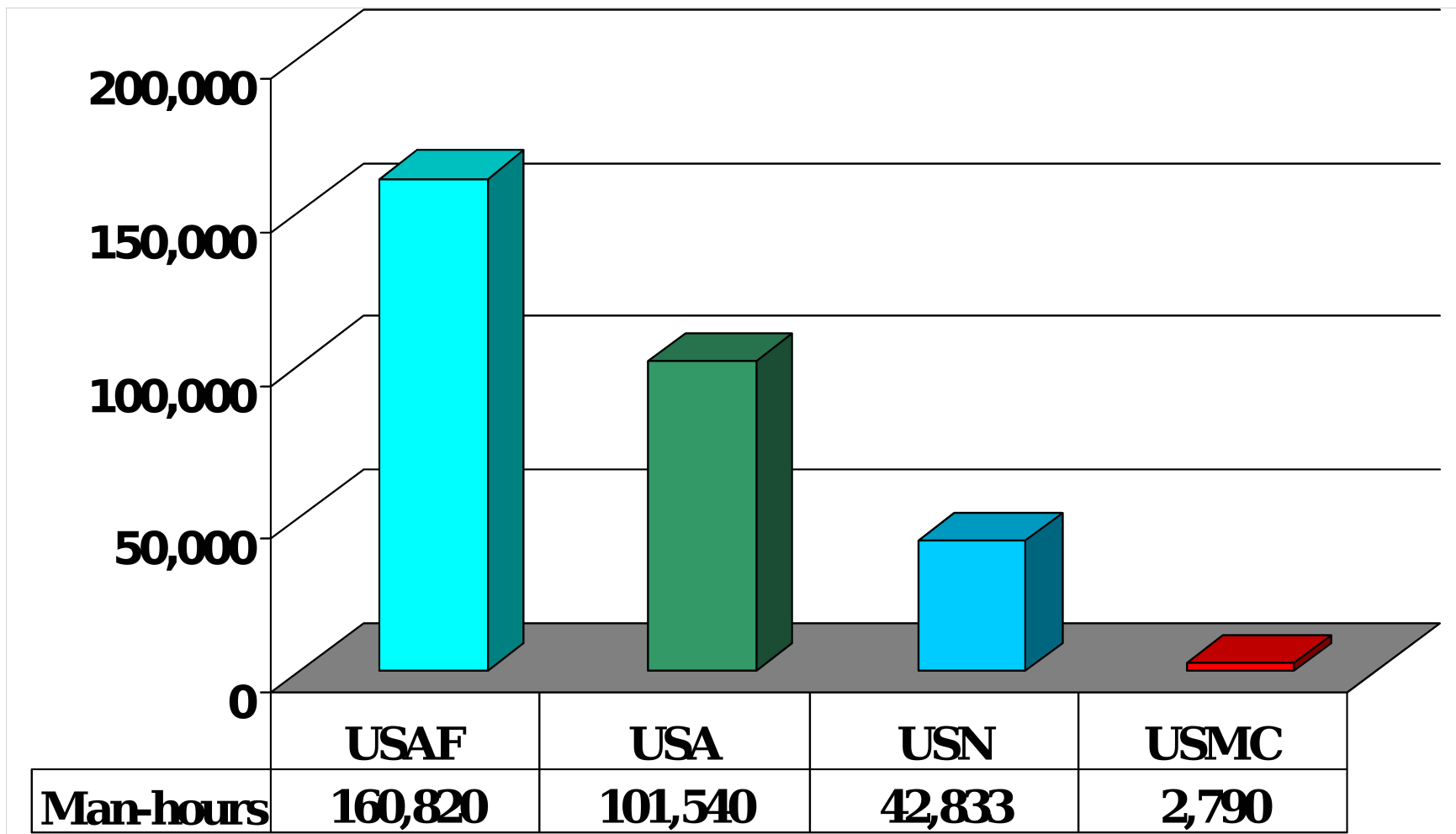


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FY05 VIPPSA DOD Support Man-hours



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Operations

- **ITO/ATO Overview**
- **Joint Service Capability**
- **Incident Category Codes**
 - **A, B, C, and D**
- **Types of Incidents**
 - **Aircraft Recovery**
 - **Munitions Incidents**
 - **IED**
 - **Nuclear/Hazmat/WMD**



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Preparing the War Fighter

- **Combat Skills Training Requirements**
- **EOD Specialized Training Equipment/Vehicles**



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AF EOD Mission in OIF/OEF



- **Airbase force protection**
 - UXO after attack/airfield clearance
 - IED/suspect package response
 - Vehicle Borne IED response
 - Aircraft incident support/response
 - Provide explosive ordnance and post attack recon training
- **MNC-I force protection**
 - IED/suspect package response
 - Captured Enemy Ammunition
 - Weapons cache disposal
 - Post-blast analysis
 - Vehicle Borne IED response
 - Intelligence gathering

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AF EOD Mission in OIF/OEF

- **Impact to Coalition Ops**
- **Enhanced Force Protection**
- **Freedom of Movement**
- **Open Supply Lines**



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Operational Tempo

- **Summary of Operations from Dec 04 to Dec 05**
 - 10,594 incidents totaling 448,186.48 man-hours (m/hrs)
- **Top 11 incidents (#incidents/man-hours)**
 - Pick up and/or disposal - 3,046/60,107m/hrs
 - IED incident - 2,635//51,788m/hrs
 - Eval hazardous/damaged munitions - 794//11,670m/hrs
 - Enemy attack - 167//1,572m/hrs
 - Post blast analysis - 951//20,800m/hrs
 - Disposal Unserviceable munitions - 474//19,601m/hrs
 - Other EOD incidents - 525//24,489m/hrs
 - Aircraft incidents - 375//6,125m/hrs
 - Area clearance - 72//12,261m/hrs
 - Range clearance - 143//71,852m/hrs
 - VIP Support - 897//160,820m/hrs

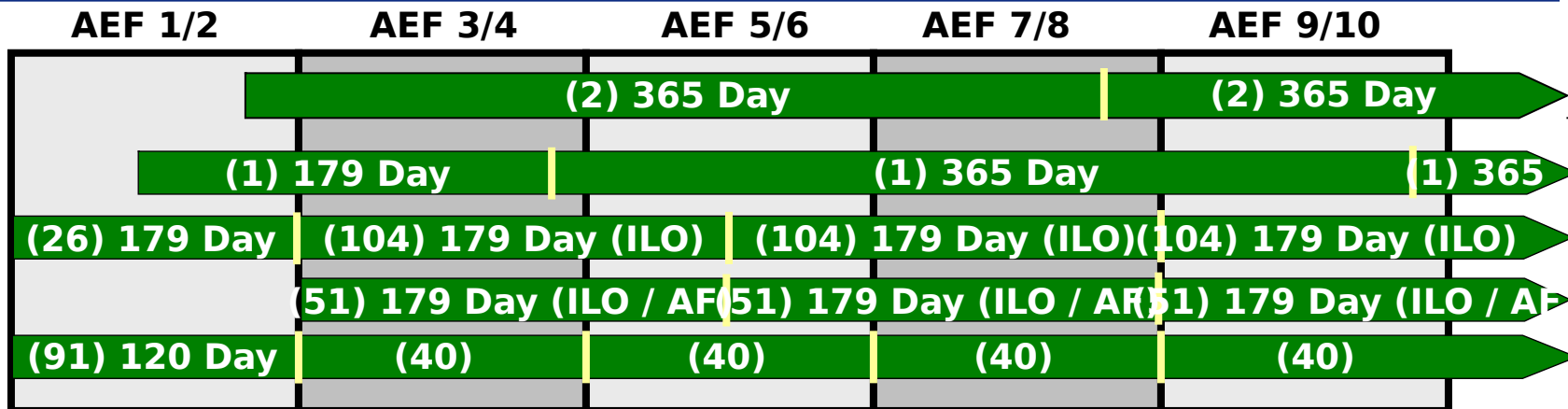
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EOD Supply and Demand

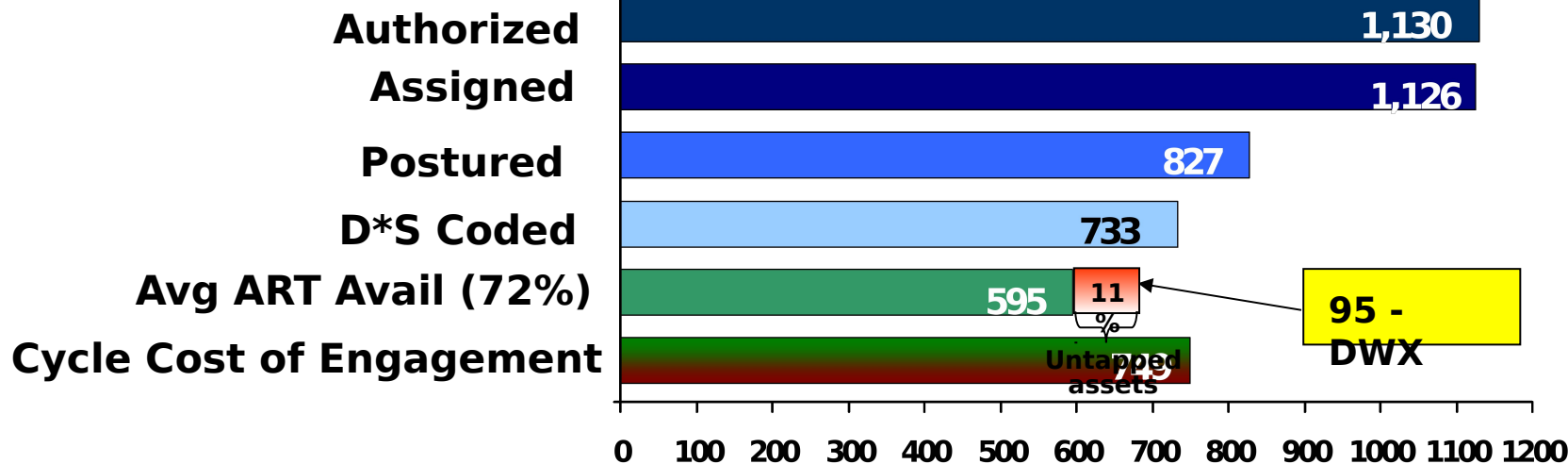
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(Cycle 6)



 = Standard Mission
(Tour Length Based On Mission Needs)

 = EETL (Tour Length Extended
Based on Limited Resource)



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Command and Control

- **AF EOD providing Army support are TACON to Joint Task Force Troy, ADCON/OPCON to 332/506 ECES**
- **Ali and BIAP EOD are OPCON/TACON/ADCON to ECES**
 - **Request for assistance accomplished the same way it is in the CONUS—General Support**
- **Aug 05 Msg from CENTAF/CC on the “Employment of USAF EOD Teams in Support of Ground Forces”**
 - **Directs the use of AF EOD Teams ISO MNC-I missions**
 - **Establish mutual expectations with supported commanders for AF EOD support outside the wire**

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Intelligence Gathering



- **Incident Site**
- **Information Flow**
- **Intelligence Agencies**
 - **Combine Explosives Exploitation Cell (CEXC)**
 - **IED Task Force**

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IED Defeat Technology



- Family of EOD Robots
- “Bang Stick”
- Thermal Imagers
- NVGs/Bomb Suits
- CREW (ground ECM)



Slide 12

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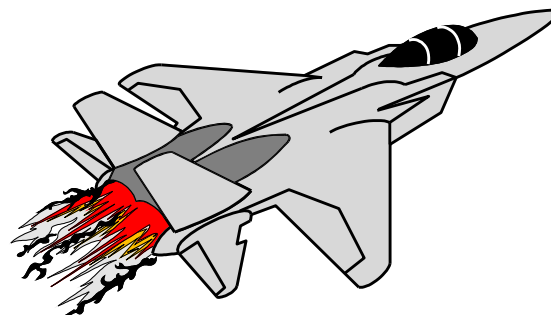
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Operations

Joint Service Capability

(AFJI 32-3002)

- **Closest Unit Response**
- **US Army**
- **US Navy**
- **US Air Force**
- **US Marine Corp**



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Commanders' Involvement

Off-Base Requirements

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- **Commanders' Permission**
 - **Legal Representative**
- **DoD Munitions Accidents**
 - **Closest Unit Initial Response Required**
 - **Owning Service Responsible**
 - **4-hour Response to Transportation Accident**
- **Non-DoD or Federal Request for Support**
 - **Closest Unit**
 - **Interest of Public Safety**
 - **Required for Military Munitions (Cradle to Grave)**

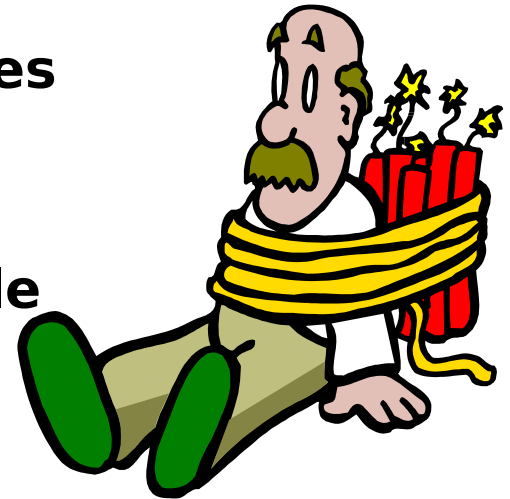
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Incident Categories

- **Category A - Grave or Catastrophic Threat**
 - **Immediate Response: No Wait Time**
- **Category B - Indirect Threat**
 - **Immediate Response: Observe Safe Wait Time**
- **Category C - Minor Threat**
 - **Respond After Higher Categories Resolved**
- **Category D - No Present Threat**
 - **Respond When Time Is Available**



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Types of Incidents

Aircraft Recovery

- **Aircraft Recovery**
 - **EOD on Advance Team**
 - **Ensure Safety of Investigation Team**
 - **Recover/Destroy Munitions and Classified Components**
 - **Document Actions Taken**



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Types of Incidents

Munitions Incidents

- **Munitions Incidents**
 - **In-Flight Emergencies**
 - **Munitions Storage Area**
 - **Disposal of Unserviceable Munitions**
 - **Destruction of Captured Munitions**
 - **AEF (One Location) Destroyed 128,355 Ordnance Items**
 - **Totaled 6,746,772 Lbs of Ordnance**
 - **Military Munitions/Explosives Found in Community**



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Types of Incidents

Improvised Explosive Devices

(IEDs)

- Ingenuity of Builder
- Close-Hold TTP
- Target First Responders
- Secondary Devices



Not a Good Sign

Speed Bump ©1998 Creators Syndicate, Inc.



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Types of Incidents

Nuclear and Hazmat

- **Broken Arrow**
 - **Indirect/Direct Supporting Units**
 - **Emergency Actions**
 - **Hazards: Radiological, Toxic, Explosive**
 - **Weapons Briefings**
 - **Critical Nuclear Weapons Design Information**
 - **Render Safe & Continuation Requirements**
- **HAZMAT Response (WMD)**
 - **Explosive Related**
 - **Specialist Employee B**
 - **Awareness Level**
 - **Confined Space Trained**



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Current Programs RONS & F6A Robotic Platforms



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Current Program MTRS

Talon is a lightweight, versatile UGV designed for missions ranging from reconnaissance to weapons delivery. TALON is designed to operate under adverse conditions and almost any terrain. It is controlled through either a two-way radio frequency or fiber optic line from a portable or wearable Operator Control Unit. Payloads include cameras, gripper manipulators, NBC sensors, UXO/countermine detection sensors and disrupters



Program: MK 2 Mod 0 Talon
Foster Miller

Users: **Joint Service**

Fielded: 0 Units

Safety Approval: Waiting on Lithium
Battery approval from WSERB &
NNSB

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Current Program MTRS

Produced by iRobot, the PACKBOT unmanned ground vehicle is designed for military reconnaissance, tactical law enforcement and explosives ordnance disposal. PACKBOT employs an aluminum main chassis with injection-molded tracks, polymer wheels and bogies.

Program: Mk 1 Mod 0 PACKBOT
I ROBOT

Users: **Joint Service**

Fielded: 0 Units

Safety Approval: WSERB &
NNMSB

Approved for EOD use



Contact Information

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Current Programs Bombot



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Current Programs

UA-HMMWV



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Current Programs

6X6 Cougar



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Current Programs X-Ray Systems



RTR-4N Shown with Wireless Option

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Current Programs BSERV



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Summary

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Questions



***“INITIAL SUCCESS OR TOTAL
FAILURE”***

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